

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P1192580

Luminaire Tested: **LDA6A60950D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26678)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A60950D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

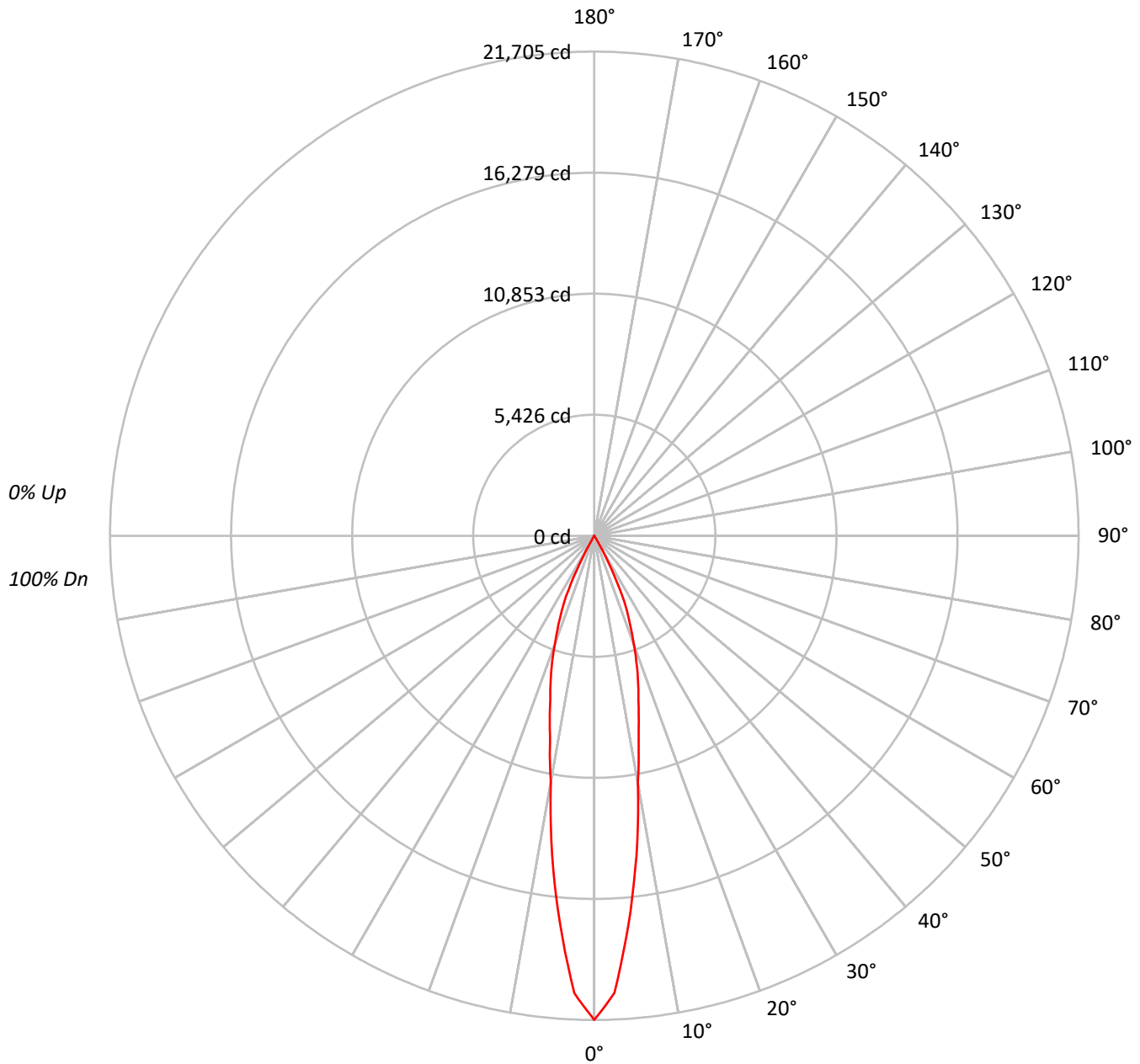
Lumens per Lamp: N/A
Luminaire Lumens: 4918.7 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	94	90	87	99	94	90	87	92	89	86		91	88	85		89
6	97	91	87	84	96	90	86	83	89	85	83		88	85	82		87
7	95	88	84	80	93	87	83	80	86	83	80		85	82	80		84
8	92	85	81	78	91	84	80	78	83	80	77		83	79	77		82
9	89	82	78	75	88	82	78	75	81	77	75		80	77	75		80
10	87	80	75	73	86	79	75	73	79	75	72		78	75	72		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1189861
5°	963738
10°	624983
15°	432579
20°	302187
25°	181625
30°	19149
35°	1860
40°	1109
45°	682
50°	657
55°	956
60°	1096
65°	856
70°	721
75°	699
80°	695
85°	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1479.9	30.1
10°-20°	2143.9	43.6
20°-30°	1230.9	25.0
30°-40°	36.1	0.7
40°-50°	7.7	0.2
50°-60°	8.5	0.2
60°-70°	7.0	0.1
70°-80°	3.8	0.1
80°-90°	0.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4854.8	98.7
0°-40°	4890.8	99.4
0°-60°	4907.0	99.8
0°-90°	4918.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4918.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21705	
5°	17513	###
15°	7622	2144
25°	3003	1231
35°	28	36
45°	9	8
55°	10	8
65°	7	7
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21704.8
2.5°	20519.2
5°	17513.1
7.5°	14460.6
10°	11227.4
12.5°	9163.2
15°	7622.0
17.5°	6446.4
20°	5179.9
22.5°	4060.9
25°	3002.7
27.5°	1421.6
30°	302.5
32.5°	37.6
35°	27.8
37.5°	19.9
40°	15.5
42.5°	12.2
45°	8.8
47.5°	7.7
50°	7.7
52.5°	8.8
55°	10.0
57.5°	10.0
60°	10.0
62.5°	8.8
65°	6.6
67.5°	5.6
70°	4.5
72.5°	4.5
75°	3.3
77.5°	3.3
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)